



3 RD. INTERNATIONAL CONFERENCE
SOLAR ENERGY STORAGE AND
APPLIED PHOTOCHEMISTRY,
Cairo, Egypt
8 - 14 January 1995

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THE PROGRAM &
THE LIST OF PARTICIPANTS



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Third International Conference on
**SOLAR ENERGY STORAGE AND APPLIED
PHOTOCHEMISTRY**

8-14 JANUARY 1995, CAIRO, EGYPT

*R&D 7539-C4-02
N 68171-94-M-6700*

HONORARY PRESIDENTS OF THE CONFERENCE

PROFESSOR A. M. ABDEL-HAFEZ

THE PRESIDENT, AIN SHAMS UNIVERSITY

PROFESSOR A. M. RABEI

DEAN, FACULTY OF SCIENCE

CHAIRMAN

M. S. A. ABDEL-MOTTALEB

ORGANIZED BY

PHOTOENERGY CENTER

FACULTY OF SCIENCE, AIN SHAMS UNIVERSITY

IN COOPERATION WITH THE DEPARTMENT OF CHEMISTRY

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**The organizers thank deeply the following organizations
for their generous financial and moral support**

Ministry of Education

Ministry of Petroleum

Ministry of International Cooperation

Cairo Governorate

International Centre for Science and High Technology

[ICTP, Trieste, Italy]

International Science Foundation (ISF)

European Research Office (ERO), US Army

Naval Research Office in Europe, US Navy

**A session will be sponsored by European Research Office
of US Airforce**

GENERAL INFORMATION

On behalf of the organizing committee, I would like to welcome you to Egypt. I hope that you will enjoy your stay here in Egypt and benefit from the scientific contents of the Conference.

His excellency the Governor of Cairo and Professor Abdel-Hafiz, the president of Ain Shams University invite all of you to a Welcome reception Cocktail party near Aramis Hall at 21.00 hs on Sunday 8 January, after the opening lecture.

Accommodation

A block of rooms has been reserved to accommodate the conference participants at Le Meridien Hotel (Heliopolis) at a special reduced rates. Continental Breakfast, Taxes and Services are inclusive.

Any extra expenses (for example, Laundry, long distant telephone calls, minibar, other restaurant charges, ..., etc.) should be paid directly to the Hotel. Therefore, please do not forget to make the necessary check with the hotel registration-information section to pay for the extra before leaving. This would be greatly appreciated.

Lunches (Open Buffet)

Please use the enclosed appropriate coupon. Make sure you show the waiter the coupons as you entered the restaurant. Drinks are not inclusive. Therefore, you have to pay for your drinks to the hotel directly.

Extra Lunch coupons (LE 40.0 or \$12.0 each) are available at the registration/ information desk of the conference.

Dinners (Open Buffet)

Coupons are available at special rate for participants (LE 50.0 or \$15.0). Ask for coupons at the Conference registration desk.

Transportation

A shuttle bus service is available free of charge, to the Airport. Please do inform LeMeridien's information desk about the details of your flight from Cairo. Upon request, the Hotel will manage to give you a drive to the Airport.

Social Activities

The following events are arranged, free of charge, for all participants:

**Welcome Reception; Sunday 8 January after the opening session.
Excursion to the Egyptian Museum of Antiquities, Pyramids of Giza
and Sphinx; Wednesday 11 January.**

In addition to the above, during the scientific program we will operate *an accompanying person program* to include tours to visit some historic, Islamic and Coptic places.

Transport will depart from outside Le Meridien Hotel at 8.45 hs.

Conference Banquet;

has been shifted to Thursday 12 January. Egyptian traditional music and entertainments will be provided (Tickets: \$60). Please use the banquet coupons.

With my very best wishes.

**Sabry Abdel-Mottaleb
Chairman**

INTERNATIONAL SCIENTIFIC AND ADVISORY COMMITTEE:

Almgren M	(Sweden)
Azumi T	(Japan)
Balzani V	(Italy)
Bolton J	(Canada)
Caldwell R	(USA)
Calzaferri G	(Zwitzerland)
Denardo G	(Italy)
De Schryver F C	(Belgium)
Doepp D	(Germany)
Duerr H	(Germany)
El-Sayed M A	(USA)
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Gilbert A	(UK)
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Hoffman M	(USA)
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Krishnan V	(India)
Kuzmin M.	(Russia)
Lehn J-M	(France)
Loutfy R O	(Canada)
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Mele A	(Italy)
Rahman N	(Italy)
Sato H	(Japan)
Song P-S	(USA)
Steer R	(Canada)
Tolbert L	(USA)
Tokumaru K	(Japan)
Tributsch H	(Germany)
Valeur B	(France)
Whitten D	(USA)
Wilkinson F	(UK)
Yanagida S	(Japan)
Zewail A	(USA)

LOCAL ADVISORY AND SCIENTIFIC COMMITTEE:

Abdel-Bary S.	(Al-Mansourah University, Fac. Science)
Abdel-Rehiem S.S.	(Ain Shams, Fac. Science/Chemistry)
Abu-Shady M.R.	(Ain Shams, Fac. Science)
Ahmed M. A.	(Cairo University, Fac. Dent., DEAN)
Azzam A.M.	(Ain Shams, Fac. Science/CHAIRMAN)
Badr M. Z.	(Assiut University, Fac. Science)
Barakat N.	(Ain Shams, Fac. Science/Physics)
Ebeid E. M.	(Tanta Univer., Fac.Science/Chemistry)
El Batanouny M.	(Cairo University, Fac. Medicine)
El-Baz A.	(Military Tech. College)
El-Nadi L.	(Cairo University, Fac. Science, NILES)
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El-Sharkawy M.	(Ain Shams, Fac. Science/Physics)
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Guindy N. M.	(Ain Shams, Fac. Science/Chemistry)
Hashem A.	(Zagazig University, Fac Science, DEAN)
Hassan S. A.	(Ain Shams, Fac. Science/Chemistry)
Hassan S. E.	(Ain Shams, Fac. Science/Chemistry)
Ismail M. F.	(Ain Shams, Fac. Science/Chemistry)
Kaddah A.	(Ain Shams, Fac. Science/Chemistry)
Kamel M.	(National Research Center, Cairo)
Nada A. A.	(National Research Centre, Cairo)
Naguib Y.M.	(Suez Canal University/Alariesh)
Nor-El-Din A. M.	(El-Minia University, Fac. Science)
Omar A. O.	(Ain Shams, Fac. Engineering/Physics)
Omar M. T.	(Ain Shams, Fac. Science/Chemistry)
Ragaie H. F.	(Ain Shams, Fac. Eng./Electronics)
Salem M. R.	(Ain Shams, Fac. Science/Chemistry)
Talaat H.	(Ain Shams, Fac. Science/Physics)
Zahra A. M.	(Ain Shams, Fac. Education/Chemistry)

ORGANIZING COMMITTEE:

Abdel-Halim M.	(ASU)
Abdel-Hameed F.	(ASU)
Abdel-Mottaleb M.S.A.	(ASU, Chairman)
Abdel-Shafie A.	(ASU)
Abo-Aly M.	(ASU)
Aly N. A.	(ASU)
Antonious M.S.	(ASU)
Attia M. Attia	(ASU)
El-Botanie M.	(Desert Institute)
El-Sayed B. A.	(Al-Azhar U)
El-Shobaky E.	(ASU)
Habashy M. M.	(ASU)
Hamed A.	(ASU)
Hashem K.	(ASU)
Hamza M. S.	(ASU)
Ibrahim A. T.	(Giza Governorate)
Ismaiel L. F.	(Al-Azhar U/Girls)
Khalil M. H.	(ASU)
Salem M. A.	(ASU)
Souaya E. Raymond	(ASU)

THE PROGRAM

SUMMARY TIMETABLE FOR SES&APC CONFERENCE '95

Date	Morning	Afternoon	Evening
	08.45-12.30	14.00-17.50	18.30-

SUNDAY 8 JANUARY 1995

REGISTRATION	OPENING [ABDEL-MOTTALEB] OPENING LECTURE [LOUTFY R.] GRAETZEL M. RECEPTION
---------------------	---

MONDAY 9 JANUARY 1995

PLENARY LECTURES
[EL-BAYOUMI O.]
GUILLET J.
CALZAFERRI G.

INVITED LECTURES
[AZUMI T.]
BOXER S.
OPPENLAENDER T.
FITZMURICE D.

PLENARY LECTURES **POSTER A**
[KOSSANYI J.] [DOEPP D.]
HILL C.
BRASLAVSKY S.

INVITED LECTURES
[TOLBERT L.]
TESTA A.
MAZZUCATO U.
BADR M. Z.

TUESDAY 10 JANUARY

PLENARY LECTURES
[HILL C.]
AZUMI T.
LOUTFY R. O.

I N V I T E D L E C T U R E S
HALL (1) HALL (2)
[MAZZUCATO U.] [MEL'NIKOV M.]
LEUPOLD D. KRISHNAN V.
KURRECK H. AQUILANTI V.
HOFFMAN M. ZENKEVICH E. I.

PLENARY LECTURES **POSTER B**
[ZIMMERMAN H.] [GEORGE M]
GIARDINI A.
SONG P.-S.

I N V I T E D L E C T U R E S
HALL (1) HALL (2)
[TESTA A.] [KRISHNAN V.]
FASSLER D. FARAL.
ZACHARIASSE K. EREMINKO A.

WEDNESDAY 11 JANUARY EGYPTIAN MUSEUM, PYRAMIDES AND SPHINX

[LUNCH WILL BE PROVIDED]

Date	Mornening	Afternoon
Evening		
08.45-12.30		14.00-17.50

THURSDAY 12 JANUARY 1995

PLENARY LECTURES

[FAHMY F.]
MORRISON H
ZIMMERMAN H.

PLENARY LECTURES

[BRASLAVSKY S.]
TOLBERT L.
GREVELS F.

BANQUET

INVITED LECTURES

HALL (1) HALL (2)
[MORRISON H] [GRAETZEL M.]
KOSSANYI J. ALONSO-VANTE N.
FUJIMURA Y OZANAM F.
LOEHMANNSROEBEN H. ETMAN M.

INVITED LECTURES

HALL (1) HALL (2)
[BOXER S.] [HOFFMAN M.]
HAU D.-M. TERENSEKAYA I.
KORPPI-TOMMOLA J. MEL'NIKOV
UZHINOV B. M.

FRIDAY 13 JANUARY

PLENARY LECTURES

[CALZAFERRI G.]
DUERR H.
DOEPP D.

PLENARY LECTURES

[LOUTFY R O]
BOLTON J.
HARRIMAN A

INVITED LECTURES

[GREVELS F.]
BILLING
SPANHEL
ABD EL AZIZ A.

CLOSING REMARKS

ABDEL-MOTTALEB M. S.
LOUTFY R. O.

SATURDAY 14 JANUARY

DPARTURE

Coffee/Tea: 10.15-10.35

15.45-16.05

Lunch:

12.30 ----- 14.00

POSTER PRESENTATION BASED ON ALPHABETICAL ORDER

POSTER A: FOR AUTHORS [A-E]
POSTER B: FOR AUTHORS [F-Z]

PROGRAM

THE PROGRAM OF THE CONFERENCE IS AS FOLLOWS

1st DAY SUNDAY 8 JANUARY 1995

14.00 - 18.00	REGISTRATION AT SETI ROOM
18.30 - 19.15	OPENING CEREMONY ARAMIS HALLS 1+2 <i>ABDEL-MOTTALEB M. S. A. AND LOUTFY R.</i>
19.30 - 20.30	OPENING LECTURE CHAIRMAN <i>LOUTFY R.</i> (CANADA)
L 1	<i>GRAETZEL M.</i> (SWITZERLAND) NANOCRYSTALLINE SOLAR CELLS; SCIENTIFIC PRINCIPLES AND ECONOMIC PERSPECTIVES
20.30 - 21.30	RECEPTION

2nd DAY MONDAY 9 JANUARY 1995

INVITED LECTURES	ARAMIS HALLS 1 + 2 CHAIRMAN: <i>EL-BAYOUMI O</i> (USA)
L 2	8.45 - 9.40 <i>GUILLET, J.</i> (CANADA) SOLAR SYNTHESIS OF HYDROGEN PEROXIDE
L 3	9.40 -10.35 <i>CALZAFERRI G.</i> (SWITZERLAND) DYE MOLECULES IN ZEOLITES AS ARTIFICIAL ANTENNA SYSTEMS
	10.35 -10.45 COFFEE BREAK
INVITED LECTURES	CHAIRMAN: <i>AZUMI T.</i> (JAPAN)
L 4	10.45-11.20 <i>BOXER STEVEN G.</i> (USA) MECHANISM OF THE EARLY STEPS IN PHOTOSYNTHESIS
L5	11.20-11.55 <i>OPPENLAENDER Th.</i> (GERMANY) NOVEL VACUUM-UV-(VUV) AND UV-EXCIMER FLOW THROUGH PHOTORECTORS FOR WAST WATER TREATMENT AND FOR WAVELENGTHS SELECTIVE PHOTOCHEMISTRY

L 6	11.55-12.35	FITZMAURICE D. (IRELAND) HETROSUPRAMOLECULAR CHEMISTRY: AN APPROACH TO MODULATING FUNCTION IN MOLECULAR DEVICES.
	12.30 - 14.00	LUNCH BREAK
L 7	14.00-14.55	CHAIRMAN: KOSSANYI J. (FRANCE) HILL CRAIG L. (USA) EXCITED STATE CHARACTERISTICS AND NEW UNACTIVATED C-H BOND FUNCTIONALIZATION
L 8	14.55-15.50	PHOTOCATALYSIS BY $W_{10}O_{32}^{4-}$ BRASLAVSKY S. (GERMANY) TIME-RESOLVED PHOTOTHERMAL MEASUREMENTS ON BIOLOGICAL PHOTORECEPTORS
	15.50 - 16.05	COFFEE BREAK
L 9	16.05-16.40	TESTA A. C. (USA) PHOTOINDUCED PROTON TRANSFER IN SUBSTITUTED PYRIDINES
L 10	16.40-17.15	MAZZUCATO UGO (ITALY) PHOTOCROMIC MATERIALS: A COMPREHENSIVE KINETIC THERMO-DYNAMIC AND PHOTOCHEMICAL STUDY
L 11	17.15-17.50	BADR Z. (EGYPT) PHOTOLYSIS AND THERMOLYSIS OF ACID AMIDES AND SULPHONAMIDES; MECHANISTIC STUDIES
POSTER SESSION A		AMINOPHIS
		CHAIRMAN: DOEPP D. (GERMANY)
	17.50-21.00	AUTHORS A - E

3rd DAY TUESDAY 10 JANUARY 1995		
INVITED LECTURES		ARAMIS 1
L 12	8.45- 9.40	CHAIRMAN: HILL C. L. (USA) AZUMI T. (JAPAN) STUDIES OF PHOTOCHEMICAL REACTIONS BY NUCLEAR SPIN POLARI-ZATION-DETECTED ESR SPECTROSCOPY
L 13	9.40- 10.35	LOUTFY R.O. (CANADA) A NON-SILVER DRY-PROCESSED PHOTOGRAPHIC ARTS FILM
	10.35 - 10.45	COFFEE BREAK

INVITED LECTURES		ARAMIS 1
		CHAIRMAN: MAZZUCATO U. (ITALY)
L 14	10.45-11.20	LEUPOLD D. (GERMANY) CHARACTERIZATION OF PHOTOSYNTHETIC ANTENNAS BY NONLINEAR POLARIZATION SPECTROSCOPY (FREQUENCY DOMAIN)
L 15	11.20-11.55	KURRECK H. (GERMANY) MIMICKING PRIMARY PROCESSES OF PHOTOSYNTHESIS MODEL COMPOUNDS, LIGHT- INDUCED CHARGE SEPARATION.
L 16	11.55-12.30	HOFFMAN M. Z. (USA) ELECTROLYTE AND TEMPERATURE EFFECTS IN PHOTOINDUCED INTERMOLECULAR ELECTRON- TRANSFER REACTIONS
INVITED LECTURES		ARAMIS 2
		CHAIRMAN: MEL'NIKOV M. (RUSSIA)
L 17	10.45-11.20	KRISHNAN V. (INDIA) NON-PLANAR PORPHYRIN MOLECULAR ASSEMBLIES
L 18	11.20-11.55	AQUILANTI V. (ITALY) NONADIABATIC ENERGY TRANSFER
L 19	11.55-12.30	ZENKEVICH E. I. (BELARUS) DIPOLE-DIPOLE AND EXCHANGE ENERGY TRANSFER IN DIFFERENT TYPES OF PORPHYRIN CHEMICAL DIMERS
12.30 - 14.00		LUNCH BREAK
INVITED LECTURES		ARAMIS 1
		CHAIRMAN: ZIMMERMAN H. (USA)
L 20	14.00-14.55	GIARDINI A. (ITALY) R2PI DETECTION AND SPECTROSCOPY OF VAN DER WAALS COMPLEXES OF 4-FLUOROSTYRENE WITH RARE GASES
L 21	14.55-15.50	SONG PILL-SOON (USA) PHYTOCHROME AS LIGHT SENSOR FOR PHOTOSYNTHETIC GENE ACTIVATION
15.50 - 16.05		COFFEE BREAK
INVITED LECTURES		ARAMIS 1
		CHAIRMAN: TESTA A. (USA)
L 22	16.05-16.40	FASSLER D. (GERMANY) FLUORESCENCE LIFTIMES OF ADSORBED POLYMETHINES
L 23	16.40-17.15	ZACHARIASSE K. (GERMANY)

INFLUENCE OF ENERGY GAP DELTA E(S₁,S₂) AND
AMINO N-INVERSION IN INTRAMOLECULAR CHARGE
TRANSFER. DUAL FLUORESCENCE AND SINGLE CT-
EMISSION

INVITED LECTURES ARAMIS 2

CHAIRMAN: *KRISHNAN V.* (INDIA)

L 24 16.05-16.40 *FARA V. L.* (ROMANIA)
PHOTOPHYSICAL AND PHOTOCHEMICAL PROPERTIES
OF DYE MOLECULES IN POLYMERS USED FOR
FLUORESCENT SOLAR CONCENTRATORS.

L 25 16.40-17.15 *EREMENKO A.* (UKRAINE)
PHOTOINDUCED ELECTRON TRANSFER BETWEEN
MOLECULES IN SILICA MATRICES

POSTER SESSION B AMENOPHIS + HATCHEPSUT

CHAIRMAN: *GEORGE M.* (INDIA)

17.15-20.30 AUTHORS F - Z

**4th DAY WEDNESDAY 11 JANUARY 1995
EXCURSION**

EGYPTIAN MUSEUM

PYRAMIDS,... ETC.

**TRANSPORT WILL DEPART FROM OUTSIDE
THE MERIDIEN HOTEL HELIOPOLIS
AT 08.45
<LUNCH BOXES WILL BE PROVIDED>**

5th DAY THURSDAY 12 JANUARY 1995

INVITED LECTURES ARAMIS 1

CHAIRMAN: *FAHMY F.* (EGYPT)

L 26 8.45-9.40 *MORRISON H. A.* (USA)
PHOTOCHEMICAL REARRANGEMENTS OF
OXAZRINDINES

L 27 9.40-10.35 *ZIMMERMAN H. E.* (USA)
RECENT ADVANCES IN MECHANISTIC AND
EXPLORATORY ORGANIC PHOTOCHEMISTRY

10.35-10.45

COFFEE BREAK

INVITED LECTURES**ARAMIS 1**CHAIRMAN: *MORRISON H. (USA)*

L 28 10.45-11.20 **KOSSANYI J. (FRANCE)**
 UNUSUALLY STRONG EMISSION FROM EXCIPLEXES
 FORMED BETWEEN BENZENOID SOLVENTS AND
 DIBENZOYLMETHANATBORON DIFLUORIDE

L 29 11.20-11.55 **FUJIMURA Y. (JAPAN)**
 NUCLEAR WAVEPACKET STUDY OF UNIMOLECULAR
 REACTIONS IN ULTRASHORT PULSED LASER

L 30 11.55-12.30 **LOEHMANNSROEBEN H.G. (GERMANY)**
 FLUORESCENCE OF POLYNUCLEAR AROMATIC
 COMPOUNDS AND MINERAL OILS IN ENVIRONMENTAL
 MONITORING

INVITED LECTURES**ARAMIS 2**CHAIRMAN: *GRAETZEL M. (ZWITZERLAND)*

L 31 10.45-11.20 **ALONSO-VANTE N. (GERMANY)**
 THE SIGNIFICANCE OF SURFACE STATES FOR
 PHOTOOXIDATION AT THE
 SEMICONDUCTOR/ELECTROLYTE INTERFACES

L 32 11.20-11.55 **OZANAM F. (FRANCE)**
 IN-SITU INFRARED STUDY OF THE INTERFACIAL
 LAYER DURING THE ANODIC DISSOLUTION OF A
 SILICON ELECTRODE IN A FLUORIDE ELECTROLYTE

L 33 11.55-12.30 **ETMAN M. (FRANCE)**
 Si ELECTROCHEMISTRY

12.30 - 14.00**LUNCH BREAK****INVITED LECTURES****ARAMIS 1**CHAIRMAN: *BRASLAVSKY S. (GERMANY)*

L 34 14.00-14.55 **TOLBERT L. M. (USA)**
 EXCITED-STATE PROTON TRANSFER IN CONSTRAINED
 ENVIRONMENT

L 35 14.55-15.50 **GREVELS F.-W. (GERMANY)**
 PHOTOLYSIS OF GROUP 8 METAL CARBONYLS:
 TRANSIENT IR SPECTROSCOPY, PHOTOKINETICS AND
 QUANTUM YIELDS OF CO SUBSTITUTION

15.50-16.05**COFFEE BREAK****INVITED LECTURES****ARAMIS 1**

L 36	16.05-16.40	CHAIRMAN: BOXER S. (USA) HAU DOU-MONG (TAIWAN, CHINA) PHOTOCHEMOTHERAPY ON EXPERIMENTAL TUMOR WITH PHOTOFRIN II AND LASER
L 37	16.40-17.15	KORPI-TOMMOLA J. (FINLAND) SELFORGANIZATION OF CHLOROPHYLLS IN HYDROCARBON SOLUTION AND IN VIVO SYSTEMS: PICO- AND FEMTOSECOND RELAXATION IN WATER BOUND CHLA AGGREGATES AND CL. TEPIDUM CHLOROSOMES.
L 38	17.15-17.55	UZHINOV B.M. (RUSSIA) EXCITED STATE PROTON TRANSFER LASERS

INVITED LECTURES ARAMIS 2

L 39	16.05-16.40	CHAIRMAN: HOFFMAN M. (USA) TERENETSKAYA I. (UKRAINE) AN IN VITRO MODEL OF PREVITAMIN D PHOTOSYNTHESIS AS POSSIBLE MONITOR OF SOLAR UVB RADIATION: KINETIC STUDIES USING TUNABLE LASER
L 40	16.40-17.15	MEL'NIKOV M. (RUSSIA) PHOTORADICAL AGEING OF SOLID POLYMERS

CONFERENCE BANQUET

EGYPTIAN ENTERTAINMENT

STARTING FROM 19.30

6th DAY FRIDAY 13 JANUARY 1995

INVITED LECTURES ARAMIS 1

L 41	9.00-9.55	CHAIRMAN: CALZAFERRI G. (ZWITZERLAND) DUERR H. (GERMANY) MOLECULAR AND SUPRAMOLECULAR SYSTEMS IN PHOTOCHEMISM
L 42	9.55-10.50	DOEPP D. (GERMANY) REGIO- AND STEREOSELECTIVITY IN LIGHT INDUCED [4+2]-CYCLOADDITIONS OF ALPHA-CYANOENAMINES TO AROMATIC CARBONYL COMPOUNDS, NITRILES AND HYDROCARBONS

10.50 - 11.05

COFFEE BREAK

INVITED LECTURES		ARAMIS 1
		CHAIRMAN: GREVELS F.-W. (GERMANY)
L 43	11.05-11.40	BILLING R. (GERMANY) SELECTIVE OXIDATION OF ALCOHOLS BY DIPHENYLIODONIUM IONS IN A PHOTOINDUCED CHAIN REACTION
L 44	11.40-12.15	SPANHEL Lubomir (GERMANY) SOL-GEL SYNTHESIS AND SPECTROSCOPIC PROPERTIES OF NANOSCALED HYBRID MATERIALS
L 45	12.15-12.55	ABD-EL-AZIZ A. S. (CANADA) PHOTOLYSIS OF POLYAROMATIC ETHERS AND THIOETHERS WITH PENDANT CYCLOPENTADIENYLIRON MOIETIES
12.55 - 14.00		LUNCH BREAK
INVITED LECTURES		ARAMIS 1
		CHAIRMAN: LOUTFY R. (CANADA)
L 46	14.00-14.55	BOLTON J. (CANADA) SOLAR DETOXIFICATION OF WASTE WATER
L 47	14.55-15.50	HARRIMAN A. (FRANCE) PHOTOCHEMOTHERAPY WITH CYANINE DYES
15.50 -16.20		CLOSING REMARKS ABDEL-MOTTALEB M. S. A.
COFFEE AND REFRESHMENTS		

12/21/94 07:37 AM

**LIST OF INTERNATIONAL PARTICIPANTS,
PRINCIPAL AUTHORS AND
SCIENTIFIC CONTRIBUTIONS**

KEY: 1 P A1 = PAGE 1 IN ABSTRACT'S BOOK, POSTER NUMBER A1

LEC 45 = LECTURE NUMBER 45 IN THE PROGRAM

**FULL LIST OF AUTHORS AND ADDRESSES ARE GIVEN IN THE BOOK OF
ABSTRACTS (ON EACH ABSTRACT)**

ABDEL-AZIM S. (EGYPT)

1

P A1

THE RAPID DETERIORATION OF ANTHRACENE LASER DYES IN CHLORINATED ORGANIC SOLVENTS

ABD-EL-AZIZ A. S. (CANADA)

2

LEC 45

PHOTOLYSIS OF POLYAROMATIC ETHERS AND THIOETHERS WITH PENDANT CYCLOPENTADIENYLIRON MOIETIES

ABDEL-LATIF F. M. (EGYPT)

3

P A2

PHOTOCHEMICAL REACTION OF 4-NITROBENZYLIDENE MALONONITRILES WITH HYDROGEN DONORS

ABDEL-RAZIK E. A. (EGYPT)

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P A3

HOMOGENEOUS PHOTINITIATED GRAFT COPOLYMERIZATION OF 4-VINYL PYRIDINE ONTO ETHYL CELLULOSE

ABDEL-SHAFI A. (ENGLAND/EGYPT)

5

P A4-5

1- CHARGE TRANSFER INTERACTIONS AND EFFICIENCES OF SENSITIZED SINGLET OXYGEN PRODUCTION FROM SUBSTITUTED BIPHENYLS

2- SINGLET-SINGLET ENERGY TRANSFER BETWEEN COUMARIN-4 - WATER EXCIPLEX AND COUMARINE314 IN AQUEOUS AND MICELLAR MEDIA

ABDEL-WAHAB A. A. (EGYPT)

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P A6

ON THE PHOTOGENERATION OF THE PYRIDYLCARBENES

ABDOU W. (EGYPT)

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12/24/94 12:06 AM